



SAN BERNARDINO MICROWAVE SOCIETY, Incorporated

FOUNDED IN 1968

A NONPROFIT AMATEUR TECHNICAL ORGANIZATION DEDICATED
TO THE ADVANCEMENT OF COMMUNICATIONS ABOVE 1000 MC.

W6IFE Newsletter

October 2004 Edition

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At the **7 October** SBMS Meeting we will be doing something. The SBMS meets at the American Legion Hall 1024 Main Street (south of the 91 freeway) in Corona, CA at 1900 hours local time on the first Thursday of each month. Check out the SBMS web site at <http://www.ham-radio.com/sbms/>.

SBMS meeting parking- We have become a great number of members at meetings. We park next to the church in the adjacent lot or on the street and or in the lot across the street. Across the street the sign on the building shows: 1025 Main Street. MAIN STREET BISTRO. The sign on the parking lot says: CLIN CHIROPRACTIC CARE Dick, WB6DNX

A reminder that the third Saturday of each month is Microwave Activity Day starting after the Pomona/ Cal Poly Swap meet through mid afternoon.

Last meeting- There was lots of discussion on where everyone was going for the ARRL 10 GHz and Up contest. Mel, WA6JBD was to post the plans on the SBMS reflector as new plans were sent to him. Mel got a big thanks for doing the planning emailing for the first half.

Dan Welch, W6DWF was our visitor from Anaheim and Jerry Gastil, K6DYD visited from San Diego. Welcome. 29 people present

Scheduling.

14-16 October 2004 Microwave Update in Texas

4 November TBD

2 December TBD

6 January 2005 TBD

Activity reported at the September SBMS meeting—Dick, WB6DNX worked the contest; Frank, WB6CWN had fun in the contest working folks with a horn antenna; Chuck, WA6EXV had vehicle problems on Corey, is testing a reflock assembly; Bill WA6QYR worked from Frazier and roved for 62 contacts; Jeff, KN6VR got stuck in the sand and had 3 tow truck get stuck too; Tony, KC6QHP had a one way 47 GHz contact, and had fun making 10 GHz mobile contacts; Dennis, WA6NIA had radio problems on Signal Hill; Peter, K6PTL is working on test equipment; John, KJ6HZ had marginal radio performance; Kurt, K6RRA roved; Pat, N6RMJ roved the central valley; Wayne, KH6WZ made a audio splitter to combine radio audios; Larry, KG6EG had fun roving with N6CA; Chip, N6CA roved with the Hawaii radio to prove it out and learned that a 48 inch dish is hard to rove with but the 30 inch is great; Jack, N6XQ came back from the Andes in SA and will be out in Mexico this time; Bob, WA6VHS had his tripod lock up; Dick, K6HIJ went to the EME conference and reported that RW3B is hearing his echoes off the moon at 47 GHz; Mike, W6YLZ had fun in Mexico last time and is returning; Chuck, N6EQ had his dish blow over; Ken, W6DTA had fun out and about; Jerry, K6DYD is working on a BIGGER system for next time; Gordon, WB6NOA had fun out; Robin, WA6CDR is getting a better LNA; Mel, WA6JBD had rig problems.

"Wants and Gots for sale"

Want WR75 transitions. 10 GHz mixer, WR90 and WR75 flanges, 10 GHz filter John KJ6HZ 909-683-1434

Want four to six runs of 7/8th inch hardline 100 ft each Mike W6YLZ 818-349-8525 (H) 310-423-3567(W)

Want WR90 waveguide Switch 28v Jeff KN6VR 760-948-7227 or 909-994-2232 or jlfort@raytheon.com

For Sale three Efratom M-100 Rubidium Osc with connectors \$400 each Dennis WA6NIA 562-858-2885

Second half of the ARRL 10 GHz and Up contest -SBMS member data so far.

It was noted by Bill WA6QYR that a number of members went to far out places. Chip, N6CA went to Utah and roved on the way back. The Mexico crew had last minute changes in plans so only Ken, W6DTA and K6DYD went down. Storm Javier came up the Baja coast and another pattern came down from the north causing lots of wind in CA along with some rain on Sunday in part of the San Joaquin Valley (some played rain scatter with this). I don't think any one heard from the Mexico crew on Sunday.



Paul, N6LL on Frazier DM04ms.



Dennis, WA6NIA at Secret Site 51 DM04ti



Jim, N9JIM on Frazier DM04ms



WA6JDH at Secret Site 51 DM04ti



Jeff, KN6VR on Frazier DM04ms
WA6JDH; David, N6TEB On SS51 DM04ti



Wayne, KH6WZ; Dennis, WA6NIA; Dick,
WA6JDH



Bill, WA6QYR on Secret Site 51



Glenn, KE6HPZ on Secret Site 51

MICROWAVE UPDATE 2005

Chairman: Pat Coker, N6RMJ of SBMS

Planning Committee: Pat Coker, N6RMJ of SBMS

David Peters, KI6FF of WSWSS

Dennis Kidder, WA6NIA of SBMS

Presentations: Chip Angle, N6CA

Publicity: Wayne, KH6WZ

PRIZES: Dave Glawson, WA6CGR

Registration: Dick Kolbly, K6HIJ

Location: Cerritos Sheridan

List of Presentations:

SBMS 50 YEARS Dick Kolbly, K6HIJ

SBMS is now an ARRL affiliate club to allow ARRL to print 2005 proceedings. Wayne will have a flyer to pass around at the 2004 Update.

New Microwave DX



Gary, AD6FP with his 47 GHz rig on Frazier. The big box is a 47 GHz TWT.

This past Sunday afternoon during the "10 GHz and Up Cumulative Contest" W6QI and AD6FP completed a 47 GHz contact over a 290 Km distance to set a new world record. W6QI operated from Shuteye Peak DM07GI just south of Yosemite and AD6FP operated from Frazier Mountain DM04MS north of Los Angeles. W6QI had to brave 30-degree temperatures and snow while modifying the radio in order to complete the contact. Signal margins were >40 db on the W6QI end and about 8 db on the AD6FP end. The contact was completed using a combination of narrow band FM and CW. The station details are as follows:

W6QI: 36" Cassegrain dish, 10dbm xmit, 8 db nf, ocxo locked

AD6FP: 12" splash plate dish, 45 dbm xmit, 4 db nf, Rb locked

The weather conditions were quite unusual for September with scattered rain showers in the central California valley between Shuteye and Frazier. More details to follow. Frank W6QI Gary AD6FP

73's Bill

The next few pages are from the mimeographed 1957 SBMS Handbook. More will follow next month.